

Amendments to the Specification:

On page 1, line 4; please replace the language with the following:

~~INVENTOR:~~ INVENTORS: ZUOHANG ZHU and ANDREW C. KULAR

Please replace the paragraph commencing at page 1, line 6 with the following amended paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

This application claims the priority of PCT Application No. PCT/US2004/019271 filed on June 17, 2004, and provisional U.S. application serial no. 60/479,541, filed on 17 June 2003 and entitled "A Two Stage Energy Storage Device" by Andrew C. Kular, the contents and substance of ~~which~~ both these applications are hereby incorporated in total by reference.

Please replace the paragraph commencing at page 5, line 21 with the following amended paragraph:

One embodiment of the invention is depicted in Fig. 3. In this figure, functional features are illustrated at the top of the figure while circuit components corresponding to those features are illustrated below. As illustrated, this embodiment comprises a PV array 302 as an example of a variable and intermittent energy source. Alternative embodiments of the invention permit the use of PV material in its primary state (i.e., without an array structure). The energy collected from this source is supplied to a first stage soft energy storage means 304, such as a high value capacitor 310 -- as might be realized by an electrical double layer capacitor (also known as an Ultra capacitor or a supercapacitor). The invention is not limited to such a double layer capacitor as additional embodiments of the invention utilize various electrical devices which exhibit capacitance or pseudo-capacitance behavior and which have a low ~~Electric~~ Equivalent Series Resistance (ESR).